

June 22, 2005

RESEARCH WORK PLAN

UTAH DEPARTMENT OF TRANSPORTATION

IN HOUSE RESEARCH EXPERIMENTAL FEATURE

1. **TITLE:** Install a geo-textile on the sub-grade to enhance the strength and reduce the thickness section
2. **PROBLEM:** Testing of the soil strengths on the sub-base show the soil will not carry a designed weight unless the construction section is allowed to be thicker and the utilities in the project would have to be removed and replaced if the geo-textile is no utilized.
3. **OBJECTIVES:** Reinforce sub-grade on a reconstruct that requires a shallow construction because of existing utilities.
4. **LOCATION:** Project is located on 10400 South between Bangerter, SR 154 and Redwood Road
5. **ESTIMATED COST TO COMPLETE:**
6. **SUPPLIER:**
7. **DATA COLLECTION/EVALUATION:** Includes FWD, IRI, Design Lessons Learned, Materials Test Results, Rut Testing, Construction Lessons Learned & Construction Protocol
8. **SCHEDULE OF EVALUATION DATA:** Evaluate each year for five years using the above evaluation processes
9. **PERSONNEL USED:** Champion is Lonnie Marchant, Region Two Materials
10. **SUBMITTED BY:** Michelle Page, Development Engineer for Research